SEQUENCE LISTING

<110> The Board of Trustees of the University of Illinois
Costa, Robert
Raychaudhuri, Pradip
Wang, Xinhe
Kalinichenko, Vladimir
Major, Michael
Wang, I-Ching

<120> METHODS OF INHIBITING TUMOR CELL PROLIFERATION

<130> 03-284-E

<140> US 10/809,144
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<151> 2003-03-25

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<151> 2004-01-30

<150> US 60/549,691
<151> 2004-03-02

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<170> PatentIn version 3.0

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Lys Arg Ser Pro Ala Gln Gln Glu Ser Asn Gln Ala Glu Ala Ser Lys
35 40 45

Glu Val Ala Glu Ser Asn Ser Cys Lys Phe Pro Ala Gly Ile Lys Ile
50 55 60

Ile Asn His Pro Thr Met Pro Asn Thr Gln Val Val Ala Ile Pro Asn
65 70 75 80

Asn Ala Asn Ile His Ser Ile Ile Thr Ala Leu Thr Ala Lys Gly Lys
85 90 95

Glu Ser Gly Ser Ser Gly Pro Asn Lys Phe Ile Leu Ile Ser Cys Gly
100 105 110

Gly Ala Pro Thr Gln Pro Pro Gly Leu Arg Pro Gln Thr Gln Thr Ser
115 120 125

Tyr Asp Ala Lys Arg Thr Glu Val Thr Leu Glu Thr Leu Gly Pro Lys
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Pro Ala Ala Arg Asp Val Asn Leu Pro Arg Pro Pro Gly Ala Leu Cys
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Glu Gln Lys Arg Glu Thr Cys Ala Asp Gly Glu Ala Ala Gly Cys Thr
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Asp Gly Leu Gly Ser Arg Ser Ile Lys Gln Glu Met Glu Glu Lys Glu
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Asn Cys His Leu Glu Gln Arg Gln Val Lys Val Glu Glu Pro Ser Arg
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Pro Ser Ala Ser Trp Gln Asn Ser Val Ser Glu Arg Pro Pro Tyr Ser
225                 230                 235                 240

Tyr Met Ala Met Ile Gln Phe Ala Ile Asn Ser Thr Glu Arg Lys Arg
                245                 250                 255

Met Thr Leu Lys Asp Ile Tyr Thr Trp Ile Glu Asp His Phe Pro Tyr
            260                 265                 270

Phe Lys His Ile Ala Lys Pro Gly Trp Lys Asn Ser Ile Arg His Asn
        275                 280                 285

Leu Ser Leu His Asp Met Phe Val Arg Glu Thr Ser Ala Asn Gly Lys
    290                 295                 300

Val Ser Phe Trp Thr Ile His Pro Ser Ala Asn Arg Tyr Leu Thr Leu
305                 310                 315                 320

Asp Gln Val Phe Lys Gln Gln Lys Arg Pro Asn Pro Glu Leu Arg Arg
                325                 330                 335

Asn Met Thr Ile Lys Thr Glu Leu Pro Leu Gly Ala Arg Arg Lys Met
            340                 345                 350

Lys Pro Leu Leu Pro Arg Val Ser Ser Tyr Leu Val Pro Ile Gln Phe
        355                 360                 365

Pro Val Asn Gln Ser Leu Val Leu Gln Pro Ser Val Lys Val Pro Leu
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Pro Leu Ala Ala Ser Leu Met Ser Ser Glu Leu Ala Arg His Ser Lys
385                 390                 395                 400

Arg Val Arg Ile Ala Pro Lys Val Leu Leu Ala Glu Glu Gly Ile Ala
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Pro Leu Ser Ser Ala Gly Pro Gly Lys Glu Glu Lys Leu Leu Phe Gly
            420                 425                 430

Glu Gly Phe Ser Pro Leu Leu Pro Val Gln Thr Ile Lys Glu Glu Glu
        435                 440                 445

Ile Gln Pro Gly Glu Glu Met Pro His Leu Ala Arg Pro Ile Lys Val
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Glu Ser Pro Pro Leu Glu Glu Trp Pro Ser Pro Ala Pro Ser Phe Lys
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Glu Glu Ser Ser His Ser Trp Glu Asp Ser Ser Gln Ser Pro Thr Pro
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Arg Pro Lys Lys Ser Tyr Ser Gly Leu Arg Ser Pro Thr Arg Cys Val
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Ser Glu Met Leu Val Ile Gln His Arg Glu Arg Arg Glu Arg Ser Arg
        515                 520                 525

Ser Arg Arg Lys Gln His Leu Leu Pro Pro Cys Val Asp Glu Pro Glu
    530                 535                 540

Leu Leu Phe Ser Glu Gly Pro Ser Thr Ser Arg Trp Ala Ala Glu Leu
545                 550                 555                 560

Pro Phe Pro Ala Asp Ser Ser Asp Pro Ala Ser Gln Leu Ser Tyr Ser
                565                 570                 575

Gln Glu Val Gly Gly Pro Phe Lys Thr Pro Ile Lys Glu Thr Leu Pro
            580                 585                 590

Ile Ser Ser Thr Pro Ser Lys Ser Val Leu Pro Arg Thr Pro Glu Ser
        595                 600                 605

Trp Arg Leu Thr Pro Pro Ala Lys Val Gly Gly Leu Asp Phe Ser Pro
    610                 615                 620

Val Gln Thr Ser Gln Gly Ala Ser Asp Pro Leu Pro Asp Pro Leu Gly
625                 630                 635                 640

Leu Met Asp Leu Ser Thr Thr Pro Leu Gln Ser Ala Pro Pro Leu Glu
                645                 650                 655

Ser Pro Gln Arg Leu Leu Ser Ser Glu Pro Leu Asp Leu Ile Ser Val
            660                 665                 670

Pro Phe Gly Asn Ser Ser Pro Ser Asp Ile Asp Val Pro Lys Pro Gly
        675                 680                 685

Ser Pro Glu Pro Gln Val Ser Gly Leu Ala Ala Asn Arg Ser Leu Thr
    690                 695                 700

Glu Gly Leu Val Leu Asp Thr Met Asn Asp Ser Leu Ser Lys Ile Leu
705                 710                 715                 720

Leu Asp Ile Ser Phe Pro Gly Leu Asp Glu Asp Pro Leu Gly Pro Asp
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Asn Ile Asn Trp Ser Gln Phe Ile Pro Glu Leu Gln
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Leu Xaa Leu Xaa Xaa Leu
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<210> 4
<211> 66
<212> DNA
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tctgag 66

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<211> 12
<212> DNA
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<223> FoxM1B/FoxA binding site

<400> 6
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<210> 7
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<210> 8
<211> 81
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Ser Lys Ser Val Leu Pro Arg Thr Pro Glu Ser Trp Arg Leu Thr Pro
20 25 30

Pro Ala Lys Val Gly Gly Leu Asp Phe Ser Pro Val Gln Thr Ser Gln
35 40 45

Gly Ala Ser Asp Pro Leu Pro Asp Pro Leu Gly Leu Met Asp Leu Ser
50 55 60

Thr Thr Pro Leu Gln Ser Ala Pro Pro Leu Glu Ser Pro Gln Arg Leu
65 70 75 80

Leu

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Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Leu Leu
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Pro Arg Thr Ala Ser Cys Ala Leu Ala Phe Val Asn
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<400> 11

Lys Phe Val Arg Ser Arg Arg Pro Arg Thr Ala Ser Cys Ala Leu Ala
1 5 10 15

Phe Val Asn

<210> 12
<211> 30
<212> PRT
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<400> 12

Lys Phe Val Arg Ser Arg Arg Pro Arg Thr Ala Ser Cys Ala Leu Ala
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Phe Val Asn Met Leu Leu Arg Leu Glu Arg Ile Leu Arg Arg
20 25 30

<210> 13
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<212> PRT
<213> Human immunodeficiency virus

<400> 13

Met Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
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